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XLVII. *An Account of a remarkable Echinus: By Gustavus Brander, Esq; F. R. S.*

Read Dec. 11, 1755. **T**HIS echinus is of a very singular species. It appears to me to be of a middling nature between the echinus and the star-fish. It comes from the island of Bourbon in the East-Indies; and I cannot learn, that it is any where described. (PLATE VIII. Fig. 3.)

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XLVIII. *An Account of the Impression on a Stone dug up in the Island of Antigua, and the Quantity of Rain fallen there for Four Years: In a Letter from the Reverend Mr. Francis Byam to William Fauquier, Esq; F. R. S.*

Dear Brother, Antigua, March 31, 1755,

Read Dec. 11, 1755. **A**S you have the honour to be a member of the Royal Society, I have sent you, by Captain Barrett, in a box directed for you, what I esteem to be a great curiosity. It is a stone, that was brought from a quarry, for a building in the town: the quarry is in the side of a mountain, and is about three hundred yards higher than high-water mark, and about two miles from the sea. When the mason struck it with his hammer, it split in two, and discovered the exact portraiture of a fish (on each stone) which we call an old wife. (PLATE IX.) I have likewise sent you an account of the quantity of rain, that has fallen in this place for four years last past.

past. Had I had such an instrument, as Mr. Derham had, to measure the hundredth part of an inch, it would have increased the quantity greatly; but I have only taken notice of it when it amounted to the tenth part of an inch. My instrument is very simple and plain; it is a tin vessel about thirteen inches high, the aperture at top is four inches and an half square, the bottom the same; the opposite sides parallel to each other. It stands in my garden, free from the drippings of any trees or houses, and raised upon a pedestal, about two feet from the ground. You will observe a  $\times$  in September 51, and September 54. In these months we had hurricanes. If any thing of this kind would be agreeable to you, or the Society, I shall take great pleasure in communicating them, when in my power. I am, dear brother,

March 31, 1755.

Your affectionate brother,

F. Byam.

A TABLE of the Rain, which has fallen in Antigua,  
from 1751 to 1754.

1751	Inch.	Tenths	1752	Inch.	Tenths	1753	Inch.	Tenths	1754	Inch.	Tenths
Jan.	2	6	Jan.	0	6	Jan.	3	1	Jan.	0	8
Feb.	1	5	Feb.	0	0	Feb.	1	7	Feb.	1	0
March	2	1	March	3	2	March	3	2	March	2	8
April	2	5	April	0	0	April	2	2	April	2	1
May	7	2	May	0	0	May	2	1	May	6	3
June	4	3	June	8	7	June	2	3	June	9	9
July	8	4	July	2	9	July	2	8	July	6	3
Aug.	3	6	Aug.	10	0	Aug.	5	1	Aug.	7	0
Sept. $\times$	6	2	Sept.	5	6	Sept.	3	9	Sept. $\times$	14	0
Octo.	4	8	Octo.	4	8	Octo.	4	3	Oct.	11	2
Nov.	3	9	Nov.	2	8	Nov.	0	8	Nov.	6	6
Dec.	4	7	Dec.	4	7	Dec.	1	3	Dec.	7	2
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51 8			43 3			32 8			75 2		
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